

UNIQUE IDENTIFICATION (UID)



Unique Identification (UID) of Items



DoD Vision for Item Marking

To implement a policy establishing a strategic imperative for uniquely identifying tangible items relying to the maximum extent practical on international standards and commercial item markings and while not imposing unique government data requirements.

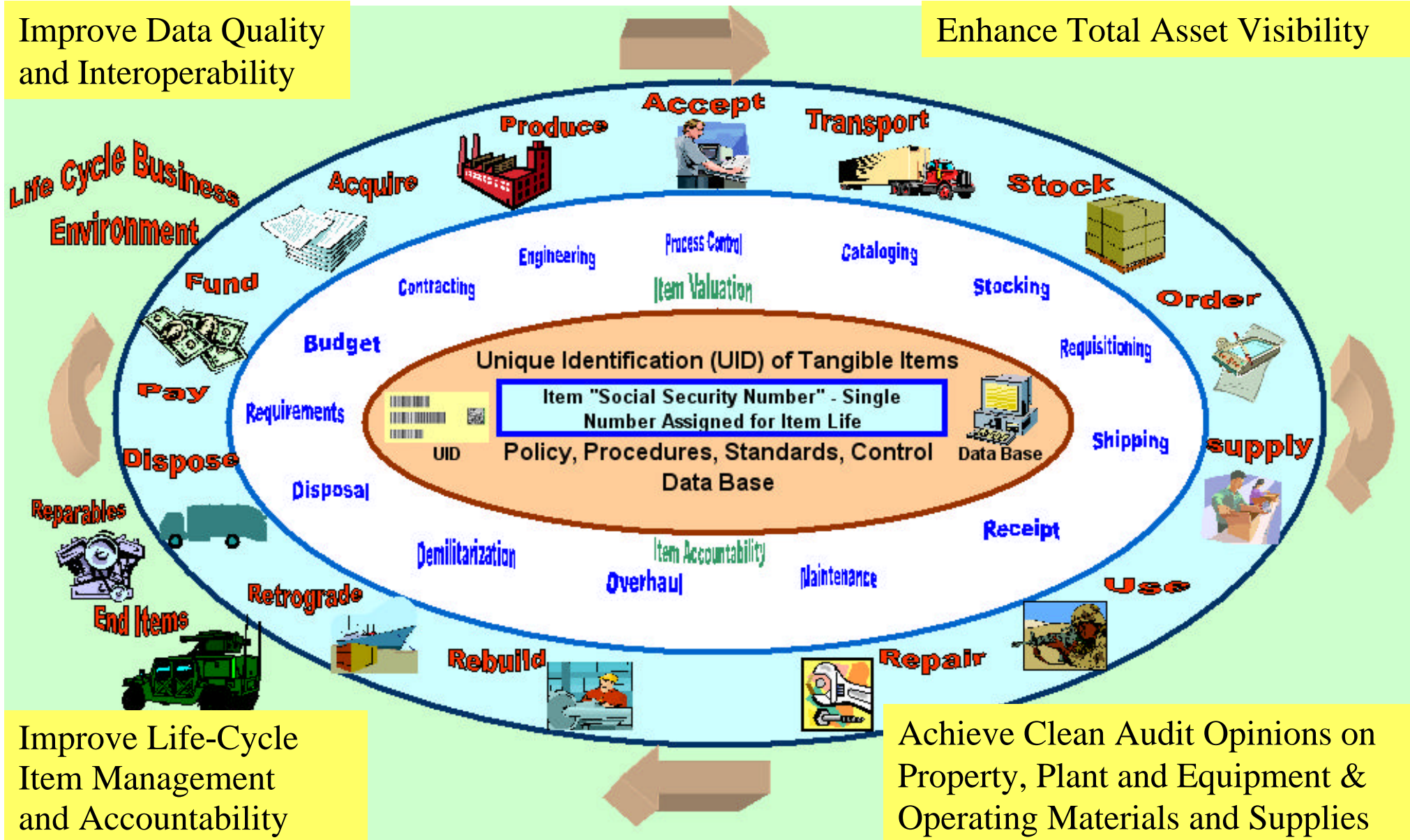
Uniquely identified (UID) tangible items will facilitate item tracking in DoD business systems and provide reliable and accurate data for management, financial, accountability and asset management purposes.



UID Role - Business Enterprise Architecture

Improve Data Quality and Interoperability

Enhance Total Asset Visibility





Unique IDentification (UID) is....

UID is ...

... the set of data for tangible assets that is globally unique and unambiguous, ensures data integrity and data quality throughout life, and supports multi-faceted business applications and users.

EID

370521



Original Part Number

1234



Serial Number

786950





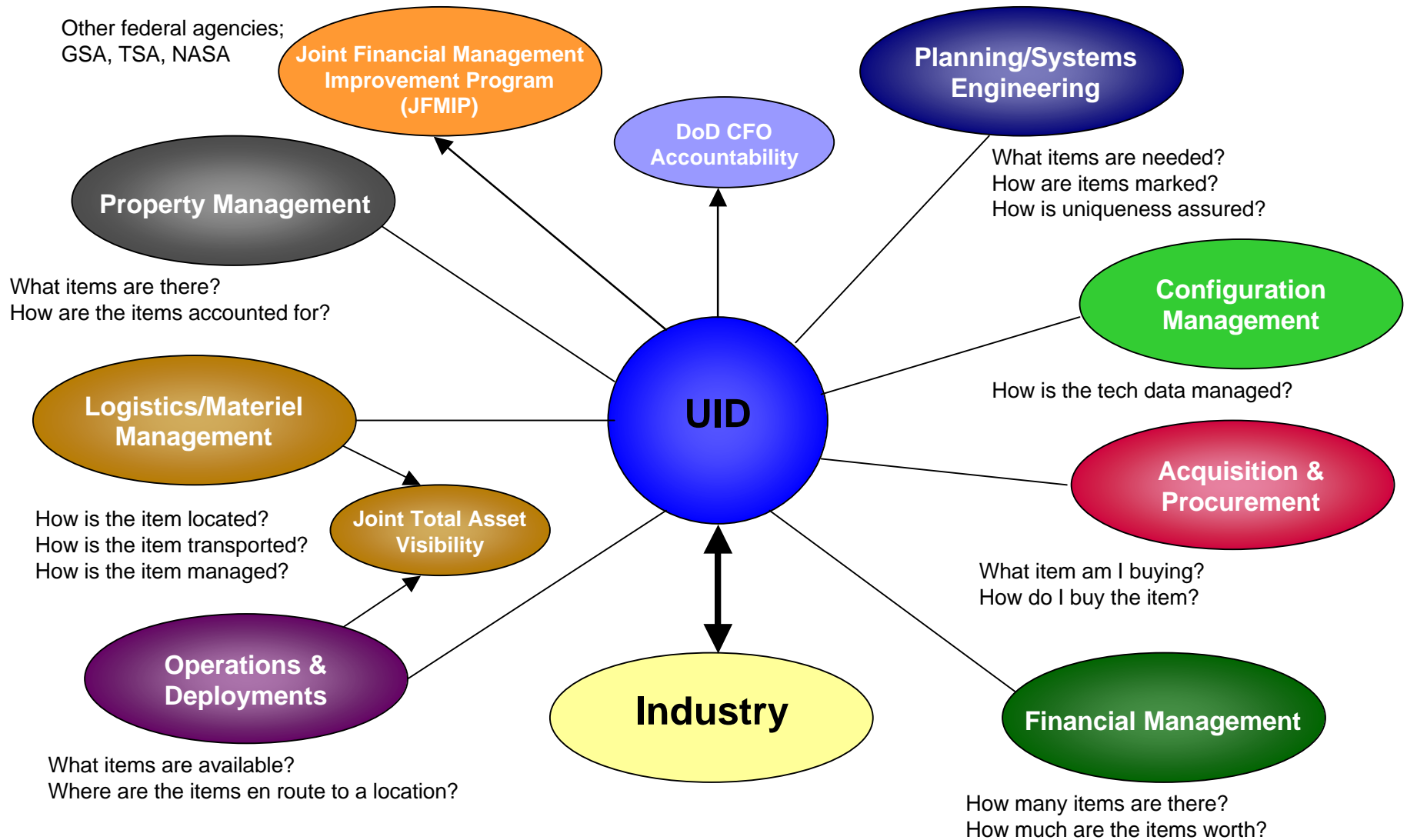
UID Constructs

The components that make up the UID are identified in the table below. Each enterprise has two options for creating the UID.

	UID Construct #1	UID Construct #2
Based on current enterprise configurations	If items are serialized within the Enterprise	If items are serialized within Part Number
UID is derived by concatenating the data elements IN ORDER:	Issuing Agency Code* Enterprise ID Serial Number	Issuing Agency Code* Enterprise ID Original Part Number Serial Number
Data Identified on Assets Not Part of the UID (Separate Identifier)	Current Part Number	Current Part Number
*The Issuing Agency Code (IAC) represents the registration authority that issued the enterprise identifier (e.g., Dun and Bradstreet, EAN.UCC). The IAC can be derived from the data qualifier for the enterprise identifier and does not need to be marked on the item.		

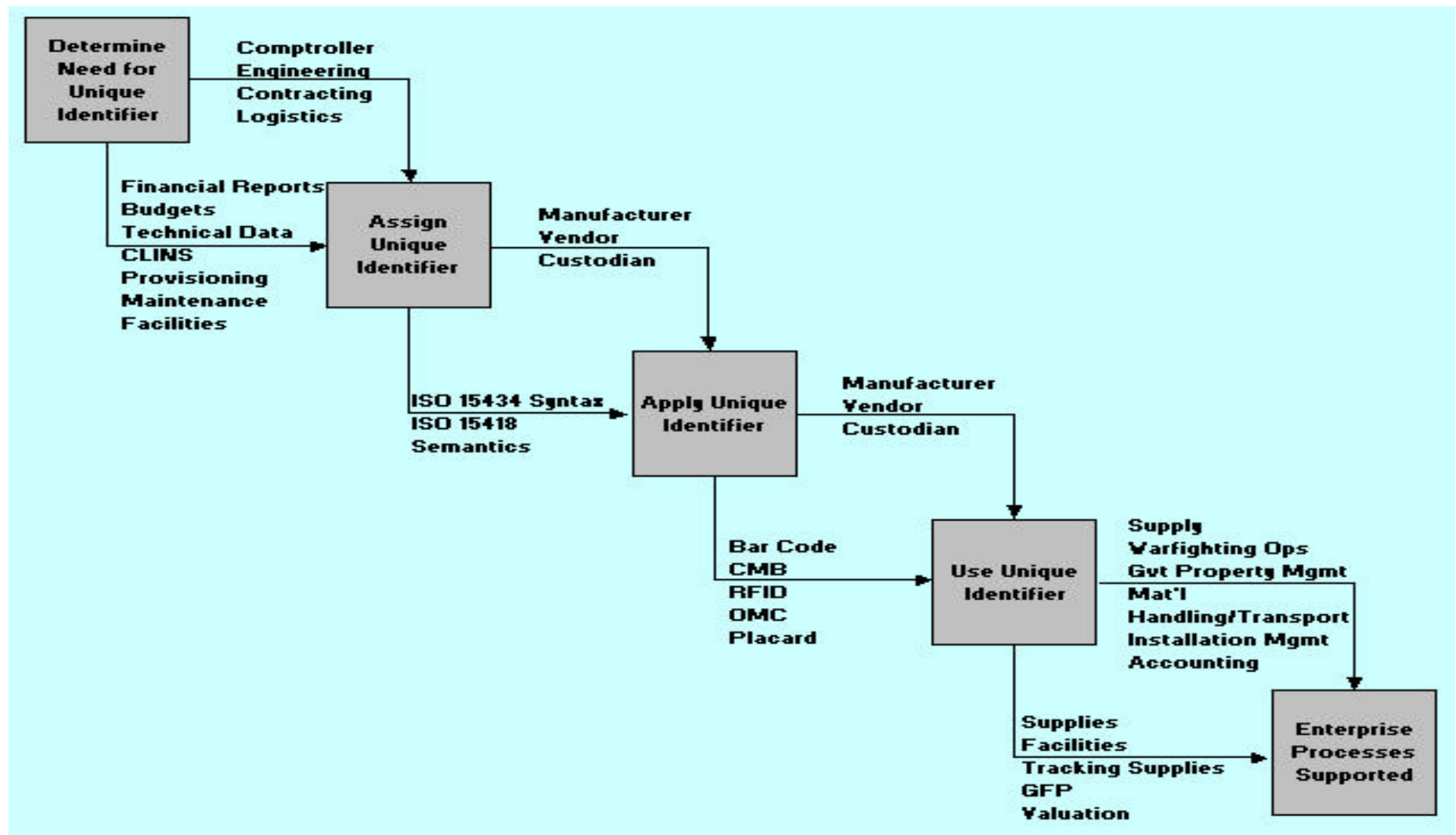


UID Interfaces





UID Interface Flow





UID Policy Overview

- ◆ Final UID policy released on July 29th established UID as a mandatory DoD requirement on all solicitations issued on or after January 1, 2004.
- ◆ UID is required for all property items delivered to the Government if:
 - Acquisition cost is more than \$5,000
 - Item is serially managed, mission essential, or controlled inventory piece of equipment or reparable; or a consumable item or material requiring permanent identification
 - Item is a component of a delivered item and PM requires UID
 - UID or DoD-recognized equivalent is available
- ◆ Wide Area Workflow (WAWF) will be modified to capture UID and WAWF will be a mandatory payment requirement no later than January 1, 2005.



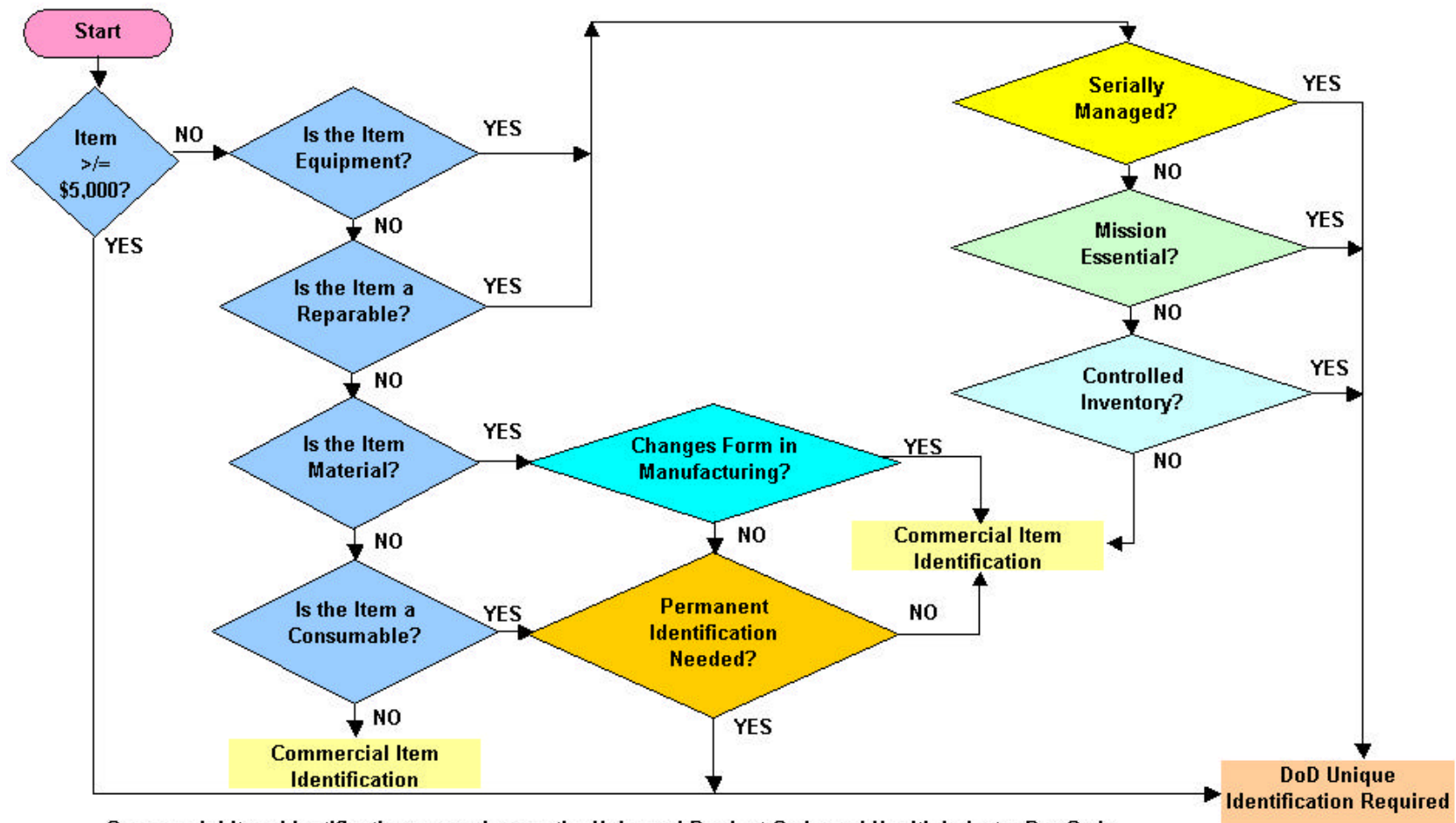
UID Policy Overview

- ◆ Approval of a new format code to ISO/IEC 15434 to allow Text Element Identifiers (TEIs) is required and being pursued.
- ◆ An interim DFARS rule for capturing the acquisition cost of tangible items and placing UID on them at acquisition was published on October 10, 2003.
- ◆ A DoD UID Program Management Office will be established to manage UID implementation.
- ◆ Specific guidance related to UID requirements can be found by referring to the following sources:
 - DFARS dated 10 October 2003
 - DoD Guide to Uniquely Identifying Items
 - www.acq.osd.mil/uid



Require the UID

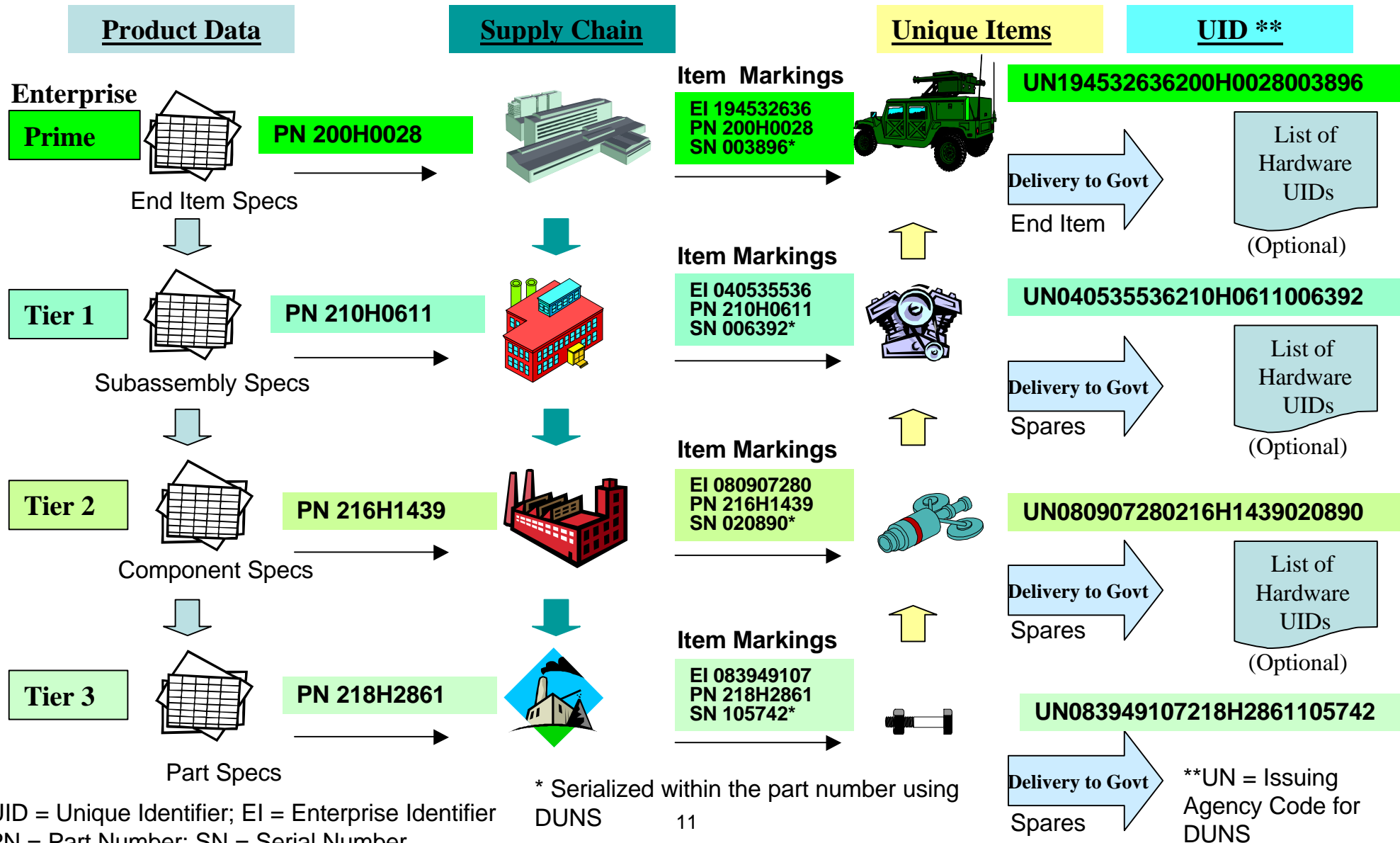
Which Items Require a Unique Identifier (UID)?



Commercial item identification examples are the Universal Product Code and Health Industry Bar Code



UID in the Supply Chain





UID/ Logistics Outcomes

- ◆ Comprehensive, timely data about each uniquely identified item throughout the supply chain
 - Generation, collection and analysis of maintenance data
 - End-to-end tracking and traceability of unique items
 - Reliability and maintainability information on each item throughout its life cycle
- ◆ Improved supply chain efficiency
 - Administrative cost reduction
 - Reduced stock levels
 - Simplicity, standardization, speed and certainty in automated data capture and electronic information exchange
- ◆ Integrated transportation and movement of individually identified items
- ◆ Leveraged commercial technologies and practices

UID Data Capture and Reuse

The diagram illustrates the flow of UID data from acquisition channels through various processing and validation systems into domain and enterprise services.

Acquisition Channel (Top): Includes Contract (non-SAP), SAP Purchase, Charge Card, Coop. Agreement, Internal DoD (E.g. Depots), and Economy Act.

Processing and Validation (Middle):

- WAWF** and **Purchase Log** receive data from the Acquisition Channel.
- Acceptance Tool (WAWF?)** also receives data from the Acquisition Channel.
- Logistics Systems** and **Financial Systems** receive data from WAWF and Purchase Log.
- Property Records** receive data from Purchase Log.
- GCSS** (Global Configuration and Synchronization System) receives data from Property Records.
- Configuration Management Systems** receive data from GCSS.
- Property Systems** receive data from Configuration Management Systems.

Domain Services (Left): Includes **DEBX** (Data Exchange Business System) which interacts with Logistics and Financial Systems.

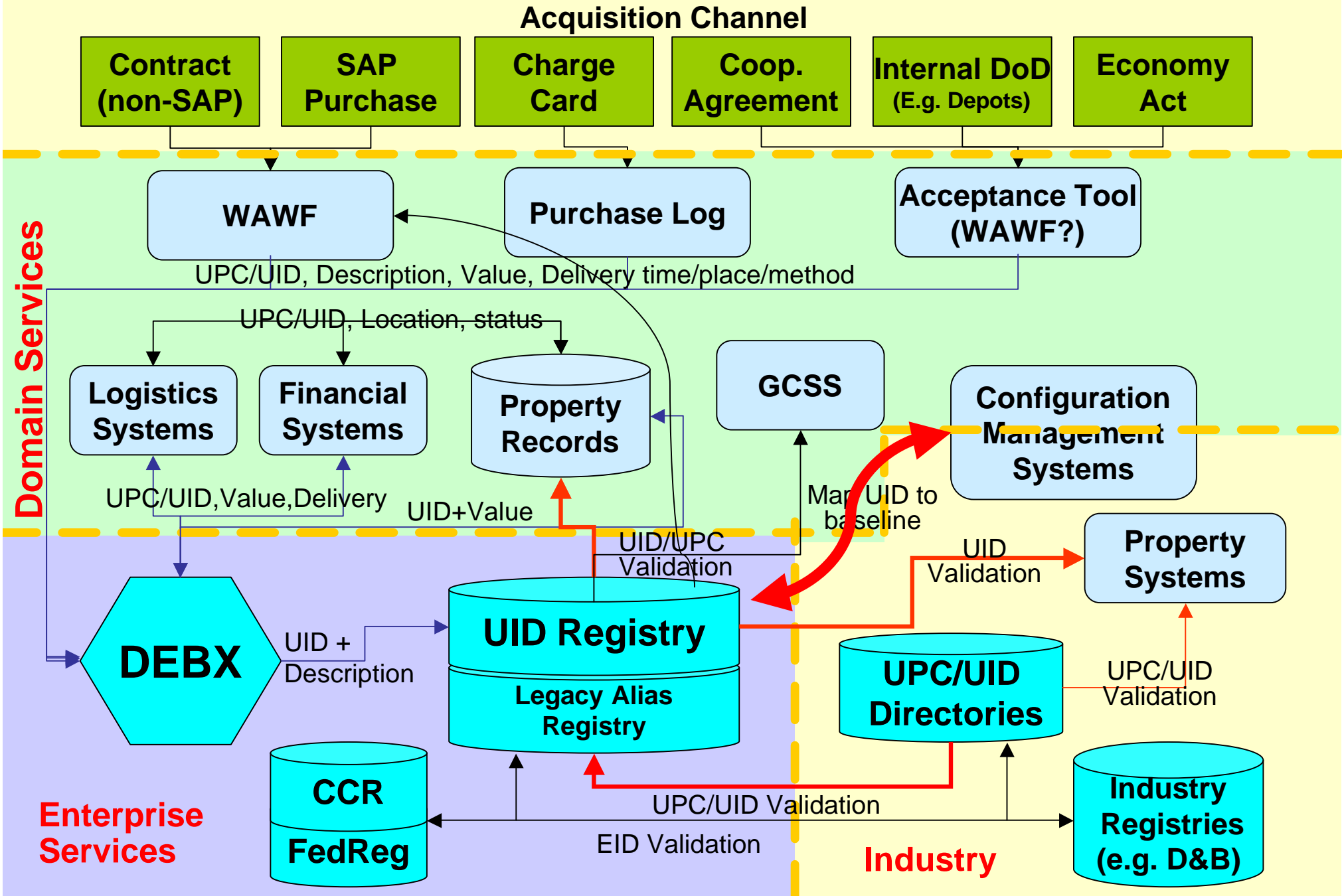
Enterprise Services (Bottom):

- CCR FedReg** (Contract and Release Federal Registry) receives data from DEBX.
- UID Registry** (Central Database) receives data from WAWF, Purchase Log, and Property Records.
- Legacy Alias Registry** is part of the UID Registry.
- UPC/UID Directories** receive data from the UID Registry.
- Industry Registries (e.g. D&B)** (Data and Business) receive data from the UID Registry.

Validation and Reuse (Right):

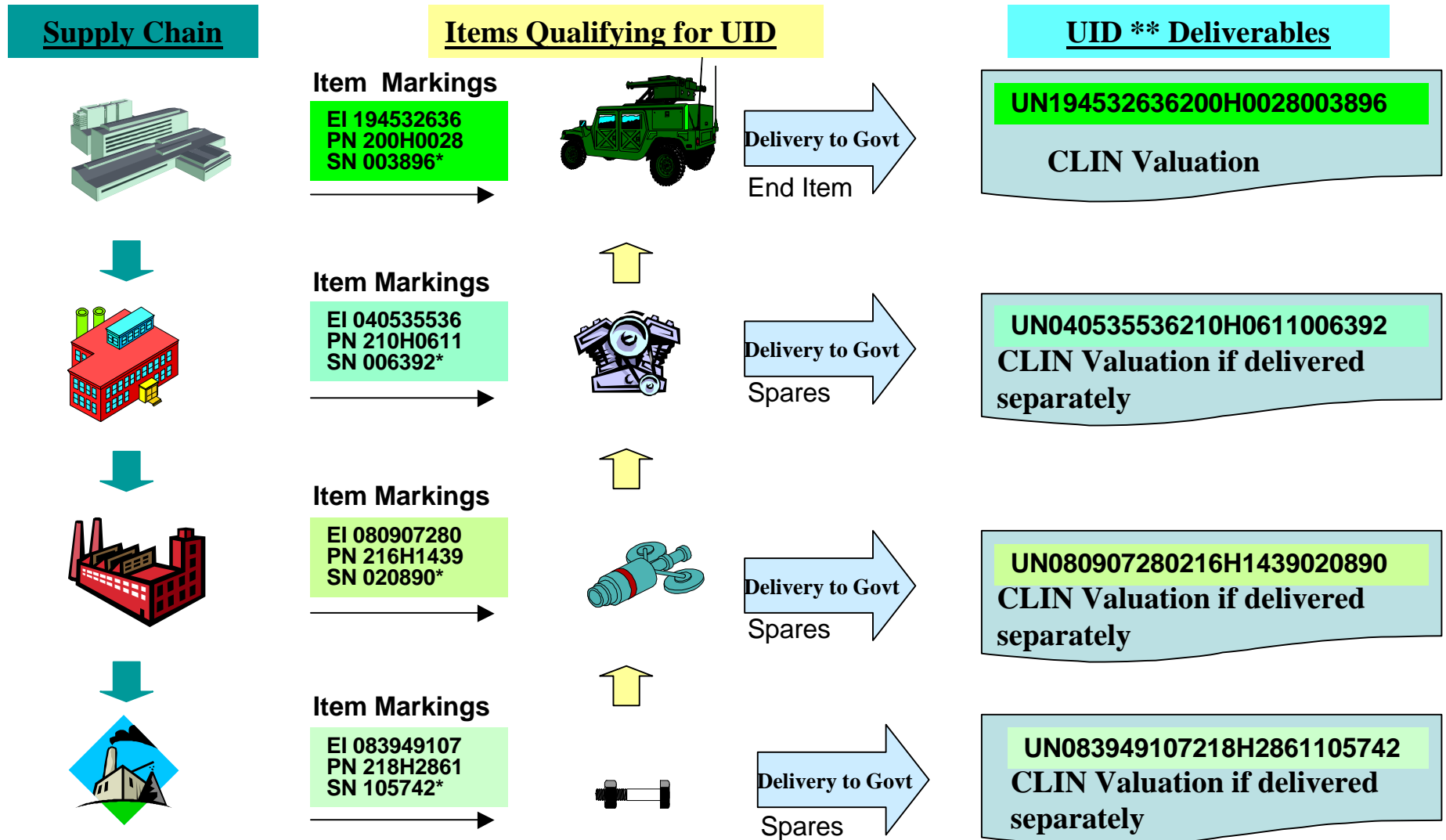
- UID Validation** is performed on data from the UID Registry.
- UPC/UID Validation** is performed on data from the UID Registry.
- EID Validation** (Electronic Identification) is performed on data from the UID Registry.
- Map UID to baseline** is performed on data from the UID Registry.

Industry (Bottom Right): Includes **Industry Registries (e.g. D&B)**.





Valuation of UID CLINs



UID = Unique Identifier; EI = Enterprise Identifier
PN = Part Number; SN = Serial Number

* Serialized within the part number using
DUNS

**UN = Issuing Agency Code
for DUNS



Key DoD & External UID Stakeholders

DoD Stakeholders

- OSD
- All Services
- Joint Staff
- Defense Contract Management Agency
- Defense Logistics Information Service
- UK MoD

**UID background materials
and actions items are
available**

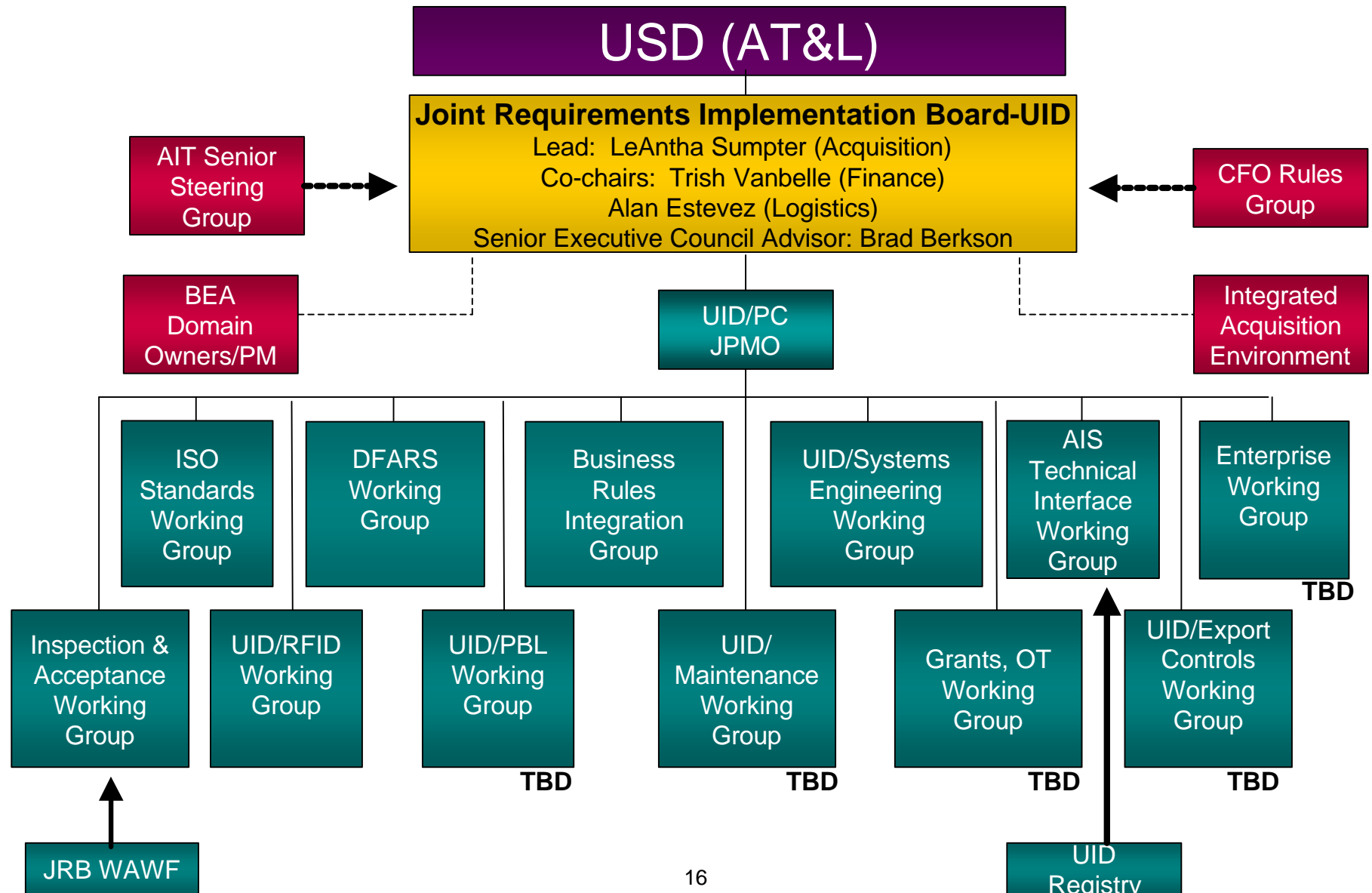
www.acq.osd.mil/uid

Industry Stakeholders

- Aerospace Industries Association (AIA)
- Government Electronics Association (GEIA)
- Uniform Code Council (UCC)
- Air Transport Association (ATA)
- Various AIT suppliers
- New York City Transit Authority
- UK Council for Electronic Business



UID Joint Requirements Implementation Board (JRIB)





UID Policy Implementation Timeline

Policy

- ◆ Final UID policy (Implementation effective Jan 2004) - July 2003
- ◆ RFID policy -October 2003
- ◆ UID Implementation for Contracts with Govt Furnished Property -Jan 2005

DFAR Cases

- ◆ Advanced Notice of Public Rulemaking released - May 2003
- ◆ Public Hearing - May 2003
- ◆ DFARS Rule Published in Federal Register - 10 Oct 2003
- ◆ Comments Due on DFARS Rule - 10 Nov 2003

ISO 15434 Change Request

- ◆ Finalize "New Work Item Proposal" - January 2004
- ◆ Gather change request support - ongoing
- ◆ ISO 15434 amendment issued - Jun 2005

WAWF Modifications

- ◆ UID Capability IOC -April 2004